

In the following questions, input your answer as a numerical value. If you wish to use scientific notation, please use the following format. The number 1.8×10^{25} should be written "1.8e25" or as "1.8*10^25"

The Metric System

1.0/1 point (ungraded)

Convert **55.8** minutes to seconds. Round the answer to three digits.

s ✓

Correct.

Grading method: Last Score

Unit Conversion

1.0/1 point (ungraded)

You push a shopping cart with a force of **186 N** over a distance of **0.373 km**. How much energy, in **kJ**, does it take to perform this action?

Recall that $1 \text{ N} = 1 \frac{\text{kg m}}{\text{s}^2}$ and $1 \text{ J} = 1 \frac{\text{kg m}^2}{\text{s}^2}$

kJ ✓

Correct.

Grading method: Last Score

Scientific Notation

1.0/1 point (ungraded)

Express the result of $(4.44 \times 10^{-5}) \times (4.93 \times 10^{13})$ in scientific notation, rounded to three digits.



Correct.

Grading method: Last Score

Significant Figures

1.0/1 point (ungraded)

Complete the calculations below and provide answers with the appropriate number of significant figures.

$$\frac{(0.143 - 0.0795)}{0.0784}$$



Correct.

Grading method: Last Score

If after taking this Pre-Test you feel that you need to study this material, please complete the Sub-Module entitled "General Material".
